

Converting Colors

CIELCh(42, 59.741, 30.658)

Have a look what the booklet for
CIELCh(42, 59.741, 30.658) contains.

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Color

CIELCh(42, 60.009, 30.651)

Conversions

Conversions Part 1

Format	Color
Hex	B53434
RGB	181, 52, 52
RGB Percent	71%, 20%, 20%
CMY	0.2907, 0.7965, 0.7964
CMYK	0.00, 0.71, 0.71, 0.29
HSL	360°, 55%, 46%
HSV	360°, 71%, 71%
XYZ	20.8656, 12.5000, 4.5507
YIQ	90.5710, 76.8840, 27.3480

Conversions

Conversions Part 2

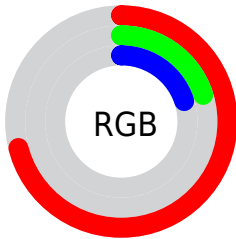
Format	Color
R_{YB}	181, 52, 52
Decimal	11875380
CIE _{Lab}	42.00, 51.63, 30.59
CIE _{LCh}	42, 60.009, 30.651
Yxy	12.5000, 0.5503, 0.3297
Android (android.graphics.Color)	4290065460 (0xFFB53434)
YUV	90.5710, -19.0155, 79.3062
Hunter-Lab	35.3553, 43.4731, 17.1173

Details

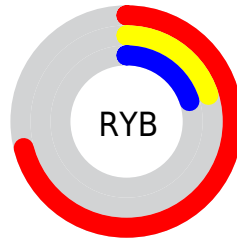
The CIELCh color **42, 60.009, 30.651** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **67, 35.048, 196.640**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 60.039, 30.543**, and **24, 56.689, 35.228** is the 20% darker color. If you saturate the color by 10%, you get **40, 68.633, 34.120**, and if you desaturate by 10%, it is **45, 50.844, 27.673**.

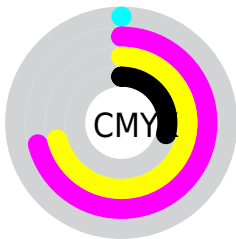
Distribution



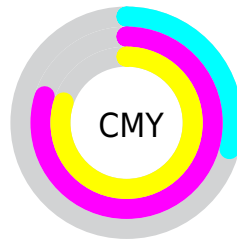
- Red (71%)
- Green (20%)
- Blue (20%)



- Red (71%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (71%)
- Yellow (71%)
- Black (29%)





















- Cyan (29%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 60.009, 30.651 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 42, 60.009, 30.651 by changing the saturation by 10% instead.

 42, 60.009, 30.651	 42, 60.009, 30.651
 100, 60.009, 30.651	 32, 60.009, 30.651
 62, 60.009, 30.651	 22, 60.009, 30.651
 72, 60.009, 30.651	 12, 60.009, 30.651
 82, 60.009, 30.651	 2, 60.009, 30.651
 92, 60.009, 30.651	 0, 60.009, 30.651

 42, 60.009, 30.651	 42, 60.009, 30.651
 40, 68.633, 34.120	 45, 50.844, 27.673
 38, 75.918, 37.529	 49, 41.569, 25.288

37, 80.779, 39.978

53, 32.477, 23.439

58, 23.777, 22.018

63, 15.588, 20.923

68, 7.959, 20.057

73, 0.889, 18.896

78, 5.652, 199.053

84, 11.710,
198.601

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42, 60.009, 30.651



67, 35.048, 196.640

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42, 60.009, 30.651



42, 60.009, 80.651



42, 60.009, 210.651



42, 60.009, 260.651

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42, 60.006, 30.654



80, 18.977, 20.927



46, 77.777, 327.246



40, 12.967, 21.197



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 60.006, 30.654



50, 89.114, 36.279



54, 48.872, 64.840



35, 3.911, 19.899



31, 70.924, 39.520



2, 9.156, 19.394

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42, 60.006, 30.654



50, 89.114, 36.279



48, 39.080, 269.898



35, 3.911, 19.899



31, 70.924, 39.520



2, 9.156, 19.394

Previews

White Background



This preview shows how the CIELCh color 42, 60.009, 30.651 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 60.009, 30.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 60.009, 30.651

Background



This preview shows how black text looks on a background with the CIELCh color 42, 60.009, 30.651.



This preview shows how white text looks on a background with the CIELCh color 42, 60.009, 30.651.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42, 60.009, 30.651

Protanopia

42, 18.865, 96.075

Deuteranopia

42, 33.594, 80.273



Tritanopia
42, 59.512, 29.643

Trichromacy



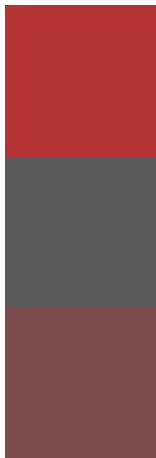
Original Color
42, 60.009, 30.651

Protanomaly
41, 27.994, 47.289

Deuteranomaly
41, 39.418, 51.092

Tritanomaly
42, 59.759, 30.150

Monochromacy



Original Color
42, 60.009, 30.651

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 21.601, 22.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 60.009, 30.651 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 52, 52)` looks like.

```
.text, #text, p{  
    color:rgb(181, 52, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 52, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 52, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 60.009, 30.651 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 52, 52) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(181, 52, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(181, 52, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 52, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 52, 52);  
box-shadow:4px 4px 4px 4px rgb(181, 52,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 60.009, 30.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 52, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181, 52,  
52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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